

San Gabriel Basin Project

LOCATION: This project is located in the San Gabriel Valley of Los Angeles County, California.

DESCRIPTION/JUSTIFICATION: This project consists of three units:

The San Gabriel Basin Demonstration Project is a conjunctive use project that was originally envisioned to address the most severe area of groundwater contamination within the San Gabriel Basin, namely the Baldwin Park Operable Unit, which is an Environmental Protection Agency Superfund site. However, after additional investigations, it is apparent that a comprehensive solution to the water supply and groundwater contamination problems is required to adequately protect the groundwater resources of the San Gabriel Basin. Additional operable units within the San Gabriel Basin, known as the El Monte, South El Monte, and Puente Valley Operable Units are included in the project to provide such a comprehensive remedy. The revised project will continue to meet the original objectives by implementing conjunctive use projects that will enhance both the groundwater quality and the local and regional water supply. Treatment projects will remove volatile organic compounds and other contaminants from the groundwater, and then deliver the water for distribution. Extraction, treatment, and distribution of San Gabriel Basin groundwater will improve the basin's groundwater quality, increase storage capacity, and expand the basin's use for regional benefits.

The Rio Hondo Water Recycling Program will distribute 10,000 acre-feet of recycled water annually from the San Jose Creek Water Reclamation Plant for landscape irrigation and industrial process water. This use of recycled water will replace the need for a like amount of potable water, thereby lessening the demand on both imported and groundwater resources. By reducing the need for groundwater pumping, this program will assist in the prevention of further migration of contamination from the San Gabriel plume, and wastewater discharges to the ocean will be decreased. Components of the program are construction of a main pump station, a booster pump station, reservoir storage facilities (10 million gallons), and approximately 40 miles of pipeline.

The San Gabriel Valley Water Reclamation Program will utilize up to 10,000 acre-feet of reclaimed water annually from the San Jose Creek Water Reclamation Plant to recharge the San Gabriel groundwater basin in order to replace and/or supplement water currently being imported and recharged. There will be no net change in the amount of water currently being recharged as a result of implementation of this program. The recharge will be accomplished in the San Gabriel River channel downstream of Santa Fe Dam. Additional facilities to allow reclaimed water to be used for landscape irrigation and industrial use are also included.

AUTHORIZATION: P.L. 102-575 - Title XVI, Reclamation Wastewater and Groundwater Study and Facilities Act, October 30, 1992; P.L. 103-126, Water and Energy Appropriations Act for 1994, October 28, 1993; and P.L. 104-266, Reclamation Recycling and Water Conservation Act of 1996, October 9, 1996.

COMPLETION DATA: As of September 30, 2000, this project is 35 percent complete.

The San Gabriel Basin Demonstration Project is scheduled for completion in 2005.

The Rio Hondo Water Recycling Program is scheduled for completion in 2005. Project completion has been delayed two years from that shown in FY 2001 Budget Justifications due to a revised schedule developed by the Central Basin Municipal Water District.

The San Gabriel Valley Water Reclamation Program is scheduled for completion in 2002. Project completion has been delayed two years from that shown in FY 2001 Budget Justifications due to delays in obtaining permits.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2001	FY 2002
Water and Energy Management and Development	\$35,463,425	\$21,100,000
Total Program	\$35,463,425	\$21,100,000
Prior Year Funds	(9,577)	0
Non-Federal	(33,453,848)	(19,300,000)
Enacted	\$2,000,000	\$1,800,000
Underfinancing	(500,000)	0
FY 2001 Rescission (P.L. 106-554)	(3,000)	0
Total Reclamation Allotment	\$1,497,000	\$1,800,000

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/00	FY 2001	FY 2002	Balance to Complete
Reclamation	\$38,090,000	\$25,217,000	\$1,497,000	\$1,800,000	\$9,576,000
Adjustments ^{1/}	123,885,000	38,711,335	33,453,848	19,300,000	32,419,817
Total	\$161,975,000	\$63,928,335	\$34,950,848	\$21,100,000	\$41,995,817

^{1/} Includes cost-sharing of \$70,804,500 from the Three Valleys Municipal Water District, the San Gabriel Basin Water Quality Authority, and/or other entities for the San Gabriel Basin Demonstration Project; \$36,295,500 from the Central Basin Municipal Water District for the Rio Hondo Water Recycling Program; and \$16,785,000 from the Upper San Gabriel Valley Municipal Water District for the San Gabriel Valley Water Reclamation Program.

Construction Cost Allocation and Methodology

Allocation	FY 2001	FY 2002
Municipal and Industrial Water	\$166,911,000	\$161,975,000
Total	\$166,911,000	\$161,975,000

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METHODOLOGY: The methodology of cost allocation has not been modified from last year. The net decrease of \$4,936,000 includes an increase of \$7,728,911 in San Gabriel Basin Demonstration, a decrease of \$13,043,661 in the Rio Hondo Water Recycling Program and an increase of \$378,750 in the San Gabriel Valley Water Reclamation Program all due to updated costs, which are the responsibility of the non-Federal partners.

APPROPRIATION CEILING: An appropriation ceiling was not included in the original authorizing legislation. P.L. 104-266, Reclamation Recycling and Water Conservation Act of 1996, imposed a ceiling of \$38,090,000. The comparable Federal obligation is \$38,090,000 which does not exceed the appropriation ceiling.

WORK PROPOSED FOR FY 2002:

Water and Energy Management and Development -

San Gabriel Basin Demonstration Project - Continues work on construction of wells, conveyance and pumping systems, and treatment plants.

\$11,750,000

Non-Federal - Various

(10,600,000)

1,150,000

Rio Hondo Water Recycling Program - Continues work for construction of pipelines to deliver recycled water to various communities.

9,350,000

Non-Federal - Central Basin Municipal Water District

(8,700,000)

650,000

Subtotal, Water and Energy Management and Development

\$1,800,000

Reclamation Request

\$1,800,000

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2001
 Project Repayment for FY 2002
 Status of NEPA Compliance